

Date: Mon, 28 Jun 93 15:20:54 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #789
To: Info-Hams

Info-Hams Digest Mon, 28 Jun 93 Volume 93 : Issue 789

Today's Topics:

 battery types
 Broadband baluns for VHF/UHF
 Field Day
 Field Day: a bummer!
 Field Day: not bad (was: a bummer!)
 Field Day and Packet Clusters (2 msgs)
How to find the answers to frequently-asked questions about Ham Radio
 looking at HF rigs?
 Need Help with KDK FM-2033 Transceiver
 Old Hams never die, They just ... (2 msgs)
 Polarization
 RS 10/11-12/13 Bands

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 28 Jun 1993 19:56:07 GMT
From: usc!howland.reston.ans.net!europa.eng.gtefsd.com!eddie.mit.edu!news.kei.com!
ub!acsu.buffalo.edu!bowen@network.UCSD.EDU
Subject: battery types
To: info-hams@ucsd.edu

Does anyone have a list of all battery types and characteristics
on-line? I know that some batteries need to be drained before
recharging to avoid a build-up of "memory". Some need to be kept
charged all the time. Some batteries drop output quickly when
they die. Some drop gradually. A list of all battiers - rechargeable

and non-rechargable - with a quick run-down of their characteristics would be a nice thing to have in the archives. If anyone has any list like this, I'd appreciate a copy. Or, if you can reference any magazine articles for me that covers this stuff I can get it and type in all the relevant information. Thanks.

Devon

Date: 28 Jun 93 20:33:27 GMT
From: rit!isc-newsserver!ultb!jdc3538@cs.rochester.edu
Subject: Broadband baluns for VHF/UHF
To: info-hams@ucsd.edu

Are there any broadband baluns or impedance matching devices that cover, say, 6-meters to 220 mhz? Do toroids work that far up?

73's
Jim N2VNO

Date: 28 Jun 93 18:39:58 GMT
From: ogicse!uwm.edu!math.ohio-state.edu!darwin.sura.net!udel!gvlsl!
rossi@network.UCSD.EDU
Subject: Field Day
To: info-hams@ucsd.edu

This year decided to try something different... for my first solo Field Day.

Set up on the 18th Street beach at Ocean City NJ and used a kite to support a half-wave vertical for 20 meters. Ran <5 watts of battery powered (1B) 20 meter CW with an Oak Hills Research "QRP Spirit". It was great!!

Worked 42 stations in 3 1/2 hours on the beach Saturday afternoon. Later in the evening I set up the station (again) on the porch of the house where I was staying (1/2 block from the beach). Used the same half-wave wire strung between the porch posts about 8 feet off the ground and made a few more contacts!

Made a total of 53 contacts in 24 sections with less than 5 hours total on air time.

=====
Pete Rossi - WA3NNA (1B SNJ) rossi@VFL.Paramax.COM

Paramax Systems Corporation - a Unisys Company
Valley Forge Engineering Center - Paoli, Pennsylvania

=====

Date: Mon, 28 Jun 1993 18:16:09 GMT
From: spsgate!mogate!newsgate!sauron!smith@uunet.uu.net
Subject: Field Day: a bummer!
To: info-hams@ucsd.edu

FD condx were excellent here in Texas, I operated 1E with my OHR 20 2 watts on batteries into a full wave loop. only operated for 5 hours saturday night but worked vy1 Yukon, ve3, kp2, plus 30 states.

Our club novice station on 10m had 250+ qso's so condx weren't that bad.

Was your antenna plugged in ? 8^)

73 trevor G3WQ0/AB5EU

Date: 28 Jun 93 10:04:40 GMT
From: pacbell.com!amdahl!amdahl!ikluft@network.UCSD.EDU
Subject: Field Day: not bad (was: a bummer!)
To: info-hams@ucsd.edu

p00361@psilink.com (Wayne Cronin) writes:
> I operated Field Day in class 1D (home station, commercial power) from
> here in Tempe, Arizona.

I was at a 3-club Field Day station in Loma Prieta, CA in the Santa Cruz Mountains about 15 minutes from San Jose. (Yes, that was ground zero of the '89 quake.) The club call in use was K6FB. (2A Santa Clara Valley)

To my surprise, the novice station ended up using my call, KD6EUI. We couldn't find any genuine Novices anywhere so a few of us TechPluses began to ask each other if anyone wanted to use their callsign on the station. No one jumped to it. But even before we were done, an Advanced who heard this sat down at the station and started using my call since it was the easiest in the group to send in CW. And so, that's how my callsign ended up getting used on the club's novice station. :-) :-) :-)

I got a kick out of it... I recently upgraded from no-code so I made my first CW QSO there. But, since the station was using my callsign and people were using CW on it before I did, I guess it could be said that my license did CW QSOs before I did. :-) At least it was the same day.

My first CW QSO was fun. You only get one "first" and this will be a story to tell. I saved the paper where I copied: "KD6EUI DE K6RL QRS"... we laughed. That was my first CW QSO - they weren't supposed to tell *me* to slow down! Probably was another first on the other end... :-)

I had fun. (Can't you tell?)

> Propagation, to put it nicely, STUNK!!!

>

> I only operated 6M and 10M, but listened on the other bands, and it
> seems like they had it no better.

>

```
> So, how about it folks? How did it go in other parts of the country?
> (From what I heard on "Spectrum" on WWCN Saturday night, it was bad
> everywhere!)
```

On 10m SSB, we worked Florida and Hawaii several times each from the novice station. The propagation came and went a lot. I remember we had two good openings to Hawaii on Saturday afternoon. We turned the beam toward them to get the most of it while it lasted. You had to chase your opportunities but they were there.

10 & 15 were dead overnight. We changed to a G5RV and used 40/80 CW.

Of course, while all this was going on, the clubs' main stations were racking up 30-40 CW and 10-15 SSB QSOs per hour, except in some of the wee hours of the morning. They got Argentina at some point there. (I don't have the logs.)

Oh yeah... propagation was pretty good on the OSCARs... ;-) when there was one around. We had a small crowd (including me) observing the OSCAR 20 and 21 passes late Saturday night. We all laughed when our club's first contact on Oscar 21 was a 2A San Francisco station (only 90 miles away! :-)

The satellite and packet stations did fewer contacts than the novice station. Now that I've been at a FD site big enough to have all of these, I understand why novice/packet/satellite don't count against the number of transmitters. They're really only for show or fun - you can't make any serious numbers of points with them. :-)

--

Ian Kluft KD6EUI PP-ASEL Amdahl Corporation, Open Systems Development
ikluft@uts.amdahl.com Santa Clara, CA
[disclaimer: any opinions expressed are mine only... not those of my employer]

Date: Mon, 28 Jun 1993 19:49:57 GMT
From: worldbank.org!news@uunet.uu.net

Subject: Field Day and Packet Clusters
To: info-hams@ucsd.edu

Not wanting to open a can of worms... but, I'd be curious to know people's feelings on soliciting FD QSO's over the local packet cluster (and perhaps more importantly, making the QSO using the cluster).

Over the weekend, I received many unsolicited requests for FD contacts on the local packet cluster. Consequently, a lot of terminal beeping was actually Announcements and Talk commands directed at getting FD contacts, rather than DX put-outs. Fortunately, the "SET/FILTER/BAND=ALL W" probably eliminated most of the extraneous noise. I'd like to pose the questions:

- Is FD considered a contest?
- If the answer is Yes, would that not invalidate any contacts made using the cluster (where someone with 0.5 watts could connect to a local node and then get credit for contacts in 3 or 4 states)?
- If the answer to both is Yes, where does it stop? Using repeaters? Cellular telephones?

Don't get me wrong, I'm not anti-Field Day, just curious as to how it fits in with the DX Spotting clusters.

73 Darrell (NR3Y)

Date: Mon, 28 Jun 1993 20:53:42 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!sdd.hp.com!col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!icon.rose.hp.com!cmoore@network.UCSD.EDU
Subject: Field Day and Packet Clusters
To: info-hams@ucsd.edu

Darrell Earnshaw (dearnshaw@worldbank.org) wrote:

: - Is FD considered a contest?

Yes

: - If the answer is Yes, would that not invalidate any contacts made using
: the cluster (where someone with 0.5 watts could connect to a local node
: and then get credit for contacts in 3 or 4 states)?

The FD rules specifically state that for packet contacts one can use nodes or digipeaters. I think the amount of contest traffic on packet is so low that the added advantage isn't that significant.

: Don't get me wrong, I'm not anti-Field Day, just curious as to how it fits in
: with the DX Spotting clusters.

My only question would be, "How do the owners/users of the cluster feel about it?" I made a few packet contacts, some direct, some via nodes, but I didn't

even think about using a DX cluster. I think the people who run and use the cluster would be annoyed, as that's not what it is there for. The nodes are intended for people to extend their range of contact to talk to others.

Just my \$.02 worth.

Chris Moore
N6IYS
cmoore@mothra.rose.hp.com

Date: 28 Jun 93 09:44:02 GMT
From: pacbell.com!amdahl!amdahl!uts.amdahl.com@network.UCSD.EDU
Subject: How to find the answers to frequently-asked questions about Ham Radio
To: info-hams@ucsd.edu

Posted-By: auto-faq 2.4

How to find the Rec.radio.amateur.misc Frequently Asked Questions list

This article will tell you how to find the answers to frequently-asked Questions (FAQ) from rec.radio.amateur.misc. The FAQ articles are posted on the 7th of each month. This article is posted on the 14th, 21st, and 28th of every month as a reminder of where to find the FAQ.

The FAQ articles are intended to summarize some common questions on the rec.radio.amateur.misc newsgroup and Info-Hams mail list as well as to help beginners get started.

Besides the monthly posting, the FAQ is always available via anonymous FTP and from e-mail servers. This article contains instructions for obtaining a copy of the FAQ. It also contains the table of contents from the FAQ so that you know which questions are covered by it.

Please provide a copy of the FAQ to any new or soon-to-be Hams you know.

Regular FAQ postings can help save network bandwidth and maintain a good signal-to-noise ratio in the newsgroup. However, they can't do it alone - you, the reader, have to use them. If you are a new user, please print and review the FAQ articles and look at the instructions in the news.newusers newsgroup before posting any articles. If you are an experienced user, please help by refraining from answering frequently-asked questions on the newsgroup if they are already answered by the FAQ articles. Instead, send e-mail to the user who asked the question. (It will be helpful if you include the part of the FAQ that answers their question, but not the whole thing.)

--How to obtain a current copy of the FAQ-----

There are 3 ways to obtain a copy of the FAQ.

- 1) NetNews
- 2) Anonymous FTP
- 3) An Electronic Mail Server

Option #1: NetNews

If you are familiar enough with NetNews to look through previous articles on your system, Option #1 above may be the easiest for you. The FAQ is posted so that it should not expire from your site's news spool until the next one is posted. Unfortunately, some news administrators do not honor the expiration dates meant to preserve the FAQ.

Look in rec.radio.amateur.misc, rec.radio.info, rec.answers, or news.answers. If the FAQ has expired at your site, try Option #2 (and ask your news administrator to honor expiration dates for articles cross-posted to news.answers if he/she can.)

Option #2: Anonymous FTP

Anonymous FTP uses the File Transfer Protocol. It is only available to sites which are directly connected to the Internet. If you don't know how to use FTP and can't find a friend to help you, continue to Option #3. If your site is not connected to the Internet, you should also continue to Option #3.

The following sites have copies of the FAQ:

site name & address	path to FAQ articles
ftp.amdahl.com	pub/radio/amateur/faq.[1-3].Z located in western USA, updated daily when changes occur
ftp.cs.buffalo.edu	pub/ham-radio/faq_ham_[1-3] located in eastern USA, updated monthly
rtfm.mit.edu	pub/usenet/news.answers/ham-radio-faq/part* located in eastern USA, updated monthly contains news.answers archive - most UseNet FAQs are here
grivel.une.edu.au	pub/ham-radio/buffalo/ham-radio/faq_ham_[1-3] located in Australia, updated monthly (mirror of Buffalo)
nic.funet.fi	pub/ham/info/faq_ham_[1-3] located in Finland, updated monthly

Remember, when connecting to the remote system, use the login name of "anonymous" and, as a courtesy to the site administrators, your e-mail address for the password.

Option #3: Electronic Mail Server

If you can't use Options 1 or 2, your only remaining option is electronic mail. You can retrieve a copy of the FAQ by sending a message to
mail-server@rtfm.mit.edu

The body of your mail will contain a command for the mail server software. To get all of the FAQ (consisting of 70K of e-mail in 3 parts), place the following in the first line of your message:
send usenet/news.answers/radio/ham-radio/faq/★

Leave out the subject of your message because the mail server will ignore it.

--- begin sample mail message ---

To: mail-server@rtfm.mit.edu

From: me@here.org

Date: Mon Aug 14 22:27:33 PDT 1995

send usenet/news.answers/radio/ham-radio/faq/★

--- end sample mail message ---

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--Submitting changes for the FAQ-----

If you have comments or updates for the FAQ, send e-mail to
hamradio-faq@amdahl.com

This will send mail to all the people on the FAQ editorial review group.

Date: Mon, 28 Jun 1993 18:54:46 GMT
From: vicorp!jeff@uunet.uu.net
Subject: looking at HF rigs?
To: info-hams@ucsd.edu

I just passed my tests to get my Tech+ ticket. Now I'm looking to get an HF rig. I'm very interested in HF packet, and I would like some info on what to look for in a rig. Right now I am looking at the Icom 728 or the Yeasu 747. I am more impressed by the specs on the Icom, but the Yeasu claims to have a 100% duty cycle. I've read in some piece of literature that for HF packet a good duty cycle is needed, so is 100% duty cycle nessicary? Also are most HF digital modes on SSB or would an FM option be a good investment, what about that AFSK? Any other info along these lines would be helpful.

So anybody running HF digital modes let me know what you think and/or let me know what rig you use. Thanks alot.

Jeff Naus
jeff@acmecon.com

Date: Mon, 28 Jun 1993 17:57:10 GMT
From: agate!howland.reston.ans.net!noc.near.net!saturn.caps.maine.edu!newserver!kristin@ames.arpa
Subject: Need Help with KDK FM-2033 Transceiver
To: info-hams@ucsd.edu

A friend of mine is having problems with a KDK FM-2033 transceiver.

She has taken it to a competent electronics repair person and was given the following description of the problem when it couldn't be repaired. Does anyone have any idea what might be the problem? Has anyone had a similar problem?

From turn-on, the unit will fire up and will transmit with the function switch in the M-Ch position, and if the function switch is then put in the VFO position, it will also transmit. However, if THEN placed back in the M-Ch position, the unit will not transmit unless one switches back to VFO and to M-Ch again.

The repair person verified it is not a dirty switch or broken wire.

Thanks

Kristin

--

Kristin R. Hayward

WX9T

Date: Mon, 28 Jun 1993 19:27:26 GMT
From: europa.eng.gtefsd.com!howland.reston.ans.net!math.ohio-state.edu!sdd.hp.com!col.hp.com!news.dtc.hp.com!srigenprp!donrm@uunet.uu.net
Subject: Old Hams never die, They just ...
To: info-hams@ucsd.edu

David Adams (dadams@cray.com) wrote:

> Several people have mentioned hearing CW in referigerator motors or
> other static, and suggesting the ghosts of past hams haunting
> old equipment. I'm wondering if we can fill out the phrase...

Old Hams never die, They just QSB.

" " " " They just get their tickets punched.

" " " " They just get grounded.

Don Montgomery, K6LTS
donrm@sr.hp.com

Date: Mon, 28 Jun 1993 20:16:56 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!sdd.hp.com!col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!cupnews0.cup.hp.com!jholly@network.UCSD.EDU
Subject: Old Hams never die, They just ...
To: info-hams@ucsd.edu

Don Montgomery (donrm@sr.hp.com) wrote:
: David Adams (dadams@cray.com) wrote:

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: > old equipment. I'm wondering if we can fill out the phrase...

: Old Hams never die, They just QSB.
: " " " " They just get their tickets punched.
: " " " " They just get grounded.

: Don Montgomery, K6LTS
: donrm@sr.hp.com

Old Hams never die, They just QSY.
" " " " They are QRX.

Jim, WA6SDM
jholly@cup.hp.com

Date: 28 Jun 93 12:14:50 CDT
From: timbuk.cray.com!hemlock.cray.com!cherry10!dadams@uunet.uu.net
Subject: Polarization
To: info-hams@ucsd.edu

In article 14923@ke4zv.uucp, gary@ke4zv.uucp (Gary Coffman) writes:
|In article <1993Jun25.121417.16832@hemlock.cray.com> dadams@cray.com writes:
|
|>2.Do FM broadcasters (in the broadcast band) usually use vertical polarization?
|> Would this imply that if I use a dipole antenna that I should string it up
|> and down instead of horizontally?
|
|The broadcast standard is horizontal polarization, but the practice at
|the vast majority of stations is to run circular polarization. This allows
|good reception by horizontal home antennas and by vertical auto antennas.
|Vertically polarized antennas will usually be plagued by multipath to a
|larger degree than horizontal antennas due to the tendency for most radio
|reflectors in the environment to be vertical structures.
|
|Gary

Hmm, I have heard of circular polarization, but now I begin to think, "How
do they do that? Spin the broadcasting antenna? ;^)"

But then I suppose they could acheive the same result as spinning if they
simply had two stationary antennas, one horizontal and one vertical, and
by varying the amount of power sent to each according to a sine function.

David, NOWWN

--David C. Adams Statistician Cray Research Inc. dadams@cray.com
-Sourdough and Ham- - Minnesotans for Global Warming! -
(&gardner)

Date: 28 Jun 93 19:15:20 GMT
From: ogicse!uwm.edu!caen!usenet.coe.montana.edu!news.uoregon.edu!
systems%ns.uoregon.edu@network.UCSD.EDU
Subject: RS 10/11-12/13 Bands
To: info-hams@ucsd.edu

Could someone e-mail or post the freq list for the RS satellites?
Thanks in advance!

--
Jeff Hite KF7SZ
Computing Center
U of Oregon
jeffh@ludwig.cc.uoregon.edu

Date: Mon, 28 Jun 1993 21:02:55 GMT
From: netcomsv!netcom.com!srtest@decwrl.dec.com
To: info-hams@ucsd.edu

References <1993Jun28.124547.25000@hemlock.cray.com>,
<C9CJDt.3nG@srngenprp.sr.hp.com>, <C9CLo8.B9o@cup.hp.com>
Subject : Opinions wanted: ICOM IC-3230H

Anyone have experience with the ICOM 3230H dual band mobile rig? I'd like
to hear your comments, flames, modifications, etc.

I have an IC-229H, and am considering the trade-offs of adding 440: get
an IC-449A, or an IC-3230H. I am quite satisfied with the 229.

The ICOM glossy mentions remote control features on the 3230. What are these?
Are the receiver decks separate (to minimize intermod)? Is there any way to
add more memories?

Finally, how does the 3230 compare to other dual-banders?

All comments appreciated!

Nick Barbieri

KB6QI
(nick@srtest.com)

End of Info-Hams Digest V93 #789
